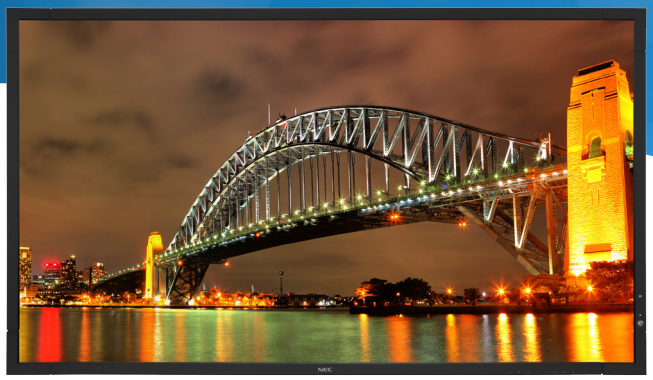
NEC Digital Signage Solutions

40”, 46” & 55” LED edge-lit, super-slim professional-grade LCD displays bundled with AMD Dual Core OPS single board computers



Take the fast track to high-quality digital signage with full PC functionality integrated directly within an NEC display. NEC’s single board computer (OPS-PCAF-WS), boasts an AMD 1.6 GHz Dual Core Fusion APU and adheres to the Open Pluggable Specification (OPS), the industry’s first standardized input to increase flexibility for users of any digital signage application. Combining this PC with the high-performance panel of the NEC super-slim X Series (40”, 46” and 55” sizes available), these bundles are a wonderfully simple solution for dynamic digital signage. Utilizing the expansion slot integrated into X Series displays, the PC provides for clean, hidden integration while reducing the bill of materials needed for installation and eliminating the hassle of hiding hardware equipment. Whet appetites in restaurants. Build brand awareness in retail. Turn heads in corporate lobbies. The digital signage possibilities are virtually endless.

Highlights

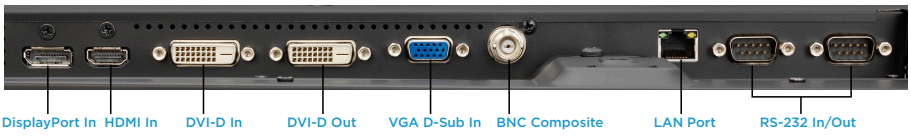
- **Professional-grade LCD panel and components** meet even the most formidable digital signage industry requirements
- **Integrated PC (OPS-PCAF-WS)** is optimized for reliable 1080p video playback
- **Lightweight, super-slim design** makes installations easier
- **1920 x 1080 FHD native resolution** in true 16:9 aspect ratio, maximum brightness of 700 cd/m² and typical contrast ratio of up to 3500:1
- **TileMatrix™ technology** enables video walls (up to 100 displays in a 10x10 matrix)
- **DisplayPort connection** adds to the already robust terminal panel
- **Integrated DVI-D Out connection** allows for simple digital daisy chain
- **Optional color calibration solution** ensures color uniformity and fidelity across individual and multiple screens, creating a perfectly matched image in tiled environments
- **Ethernet Control and Communication** provides the highest level of remote display management and includes such features as automatic email notification for diagnostic purposes
- **Carbon footprint meter** informs and motivates responsible use of the display by calculating and tracking carbon savings
- **Diverse input connectors** allow for maximum compatibility and flexibility during product implementation
- **OPS-PCAF-WS’ 3-year warranty** matches that of the display
- **NEC Content Management Software (CMS)**, a SaaS web-based, digital signage software, is available at no charge

Specifications for X401S-PC/X462S-PC/X552S-PC

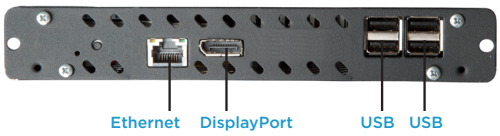
MODEL	X401S-PC	X462S-PC	X552S-PC
LCD MODULE			
Panel Technology	SPVA (P-DID)		
Viewable Image Size	40"	46"	55"
Native Resolution	1920 x 1080		
Brightness (Typical/Maximum)	500 cd/m² / 700 cd/m²		
Contrast Ratio (Typical)	3500:1	3000:1	
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10		
Aspect Ratio	16:9		
Active Screen Area (W x H)	34.9 x 19.6 in. / 885.6 x 498.2mm	40.1 x 22.5 in. / 1018.4 x 572.5mm	47.6 x 26.8 in. / 1209.6 x 680.4mm
Orientation	Landscape/Portrait		
Displayable Colors	More than 16.7 million		
CONNECTIVITY			
PC/Mac Signal Compatibility	Yes		
Input Terminals			
Digital	DisplayPort, HDMI, DVI-D		
Analog	VGA 15-pin D-sub, BNC Composite		
Audio	Audio Mini-Jack, DisplayPort Audio, HDMI Audio		
External Control	RS-232C, LAN, DDC/CI		
Output Terminals			
Digital	DVI-D		
Audio	Audio Mini-Jack, External Speaker Jack (2)		
External Control	RS-232C		
POWER CONSUMPTION			
On (Typical)	75W	210W	235W
Power Saving Mode	<1W	<2W	
PHYSICAL SPECIFICATIONS			
Bezel Width (L/R, T/B)	0.7 in./0.7 in., 0.7in./0.7in. ; 18mm/18mm, 18mm /18mm		
Net Dimensions (without stand; WxHxD)	36.4 x 21.1 x 1.7 in. / 925.1 x 537.1 x 43.3mm	41.6 x 24.1 x 1.8 in. / 1056.2 x 611.6 x 46.1mm	49.2 x 28.5 x 1.8 in. / 1250.4 x 722.7 x 46.1mm
Net Weight (without stand)	32.8 lbs. / 14.9 kg	48 lbs. / 21.8 kg	55.1 lbs. / 25 kg
VESA Hole Configuration	300 x 300mm (4-hole)		
ENVIRONMENTAL CONDITIONS			
Operating Temperature	41-104°F / 5-40°C		
Operating Humidity	20 - 80%		
Operating Altitude	9843 ft. / 3000m		
LIMITED WARRANTY	3 years parts and labor, including backlight*		
ADDITIONAL FEATURES	Advanced thermal capabilities; Sealed panel design; Thin bezel; TileMatrix (10x10); TileComp; Separate group/Monitor ID function; Ethernet Control and Communication; RS-232 Control and Communication; Landscape/portrait capable; Carbon footprint meter; Plug and Play (DDC/CI, DDC2B); Scheduler (w/ real-time clock); Sharpness/softness adjustment; Screen saver function; Ambient light sensor; 6-axis color adjustment; Metal rear cabinet; POP; Side-by-Side; Handles; Variable picture modes; Advanced video settings (Noise Reduction, Adaptive Contrast); Input labeling; Backlight adjust; Aspect ratio control; Built-in speaker; LED edge-lit backlighting ; 10-bit color over HDMI; OPS/Expansion slot		
SHIPS WITH	Single Board Computer (OPS-PCAF-WS); Power cord; VGA cable (Mini 15-pin D-sub) for X401S-PC only; 1.8m DVI-D cable for X462S-PC and X552S-PC; Wireless remote control; Batteries; CD-ROM (user manual), Option board slot cover, Screws, Thumbscrews		
OPTIONAL ACCESSORIES			
NEC Stands	ST-322	ST-4020	ST-5220
NEC Misc.	Display Wall Calibrator Kit (KT-LFD-CC); Wall Mount Kit (WMK-3257)		

* Warranty restrictions apply. Contact your representative for details.

X401S/X462S/X552S



OPS-PCAF-WS



Specifications for OPS-PCAF-WS

Operating System	Microsoft Windows 7 Embedded
CPU	1.6 GHz Dual Core Fusion (T56N)
GPU	Integrated HD 6310
RAM	2 GB DDR3
Hard Drive	32 GB SSD
Video Output	External DisplayPort
Audio Output	External DisplayPort
Network Connections	Gigabit Ethernet
Control I/O	USB 2.0 x 4
Video Format Support	1080p, MPEG/2, H.264, WM9

Graphics Format Support	JPEG, BMP, TIFF, GIFF
Browser Support	HTML, Flash, Javascript
Audio Format Support	MP3, PCM, AAC
Network Protocol Support	Internet (IP, TCP, UDP, ICMP, ARP, DHCP, HTTP, FTP, IGMP, RTP, RTSP, SNMP)
Power	16VDC Input Voltage, Power Dissipation (35W)
Operating Temperature	32° - 104°F / 0° - 40°C
Operating Humidity	80% maximum relative humidity, non-condensing
Dimensions (W x H x D)	7.1 x 1.2 x 4.6 in. / 180 x 30 x 118mm
Weight	2.5 lbs. / 1.2 kg
Certifications	CE, FCC Section 15

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